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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. 15-4-296 53

First Inventor or Application Identifier Steven J Yohanan

Title Graphical Method And System For Accessing Information On A Communications Network

Express Mail Label No

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)

2. ☒ Specification [Total Pages 22]

(preferred arrangement set forth below)
- Descriptive title of the invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

6. ☐ Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. ☐ Computer Readable Copy

b. ☐ Paper Copy (identical to computer copy)

c. ☐ Statement verifying identity of above copies

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]

4. ☒ Oath or Declaration [Total Pages 2]

a. ☐ Newly executed (original or copy)

b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)
[Note Box 5 below]

i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).

5. ☒ Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))

9. ☐ 37 CFR 3 73(b) Statement ☐ Power of Attorney
(when there is an assignee)

10. ☐ English Translation Document (if applicable)

11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

12. ☒ Preliminary Amendment

13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

14. ☐ *Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired
(PTO/SB/09-12)

15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. ☒ Other 37 C.F.R. § 1.136(a)(3) Authorization

☐ Other

*NOTE FOR ITEMS 1 & 14 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27). EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment

☒ Continuation ☐ Divisional ☐ Continuation-in-Part (CIP) of prior application No: 09/201.815
Prior application information: Examiner S. Sax Group/Art Unit: 2773

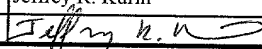
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A

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April 25, 2000

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Box Patent Application

Re: U.S. Continuation Non-Provisional Utility Patent Application
under 37 C.F.R. § 1.53(b) of Appl. No. 09/201,815; Filed: December 1, 1998
Appl. No. (to be assigned); Filed: Herewith
For: **Graphical Method And System For Accessing Information On A
Communications Network**
Inventor: Steven J. Yohanan
Our Ref: 15-4-296.53

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. PTO Fee Transmittal Form PTO/SB/17 (in duplicate);
2. PTO Utility Patent Application Transmittal Form (PTO/SB/05);
3. U.S. Continuation Utility Patent Application entitled:

**Graphical Method And System For Accessing Information On A
Communications Network**

and naming as inventor:

Steven J. Yohanan

the application consisting of:

Commissioner for Patents

April 25, 2000

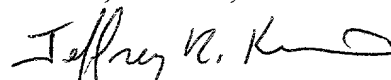
Page 2

- a. A specification containing:
 - i. 20 pages of description prior to the claims;
 - ii. 1 page of claims (2 claims);
 - iii. a one (1) page abstract;
 - b. 4 sheets of drawings: (Figures 1-5); and
 - c. A copy of the executed combined Declaration and Power of Attorney, as originally filed in U.S. Appl. No. 09/201,815;
4. An Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3) (in duplicate);
 5. A Preliminary Amendment;
 6. An Information Disclosure Statement (IDS);
 7. Form PTO-1449 (3 pages) without cited documents;
 8. Three (3) return postcards; and
 9. Our check No. 27338 for \$ to cover:
\$ 690.00 Filing fee for patent application.

It is respectfully requested that, of the three attached postcards, two be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey R. Kurin
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Steven J. Yohanan

Appl. No. (to be assigned)
(Continuation Patent Application
under 37 C.F.R. § 1.53(b) of Appl.
No. 09/201,815; Filed: December 1, 1998)

Filed: Herewith

For: **GRAPHICAL METHOD AND SYSTEM
FOR ACCESSING INFORMATION ON A
COMMUNICATIONS NETWORK**

Art Unit: (to be assigned)

Examiner: (to be assigned)

Atty. Docket: 15-4-296.53

Preliminary Amendment

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

This application is a continuation of U.S. Patent Application No. 09/201,815, filed December 1, 1998.

Please enter the following amendment to the specification.

At page 1, please replace

"Related Application

This application a continuation of U.S. Application No. 08/580,742, filed December 29, 1995."

with the following:

--Related Applications

This application is a continuation of U.S. Application No. 09/201,815, filed December 1, 1998, which is a continuation of U.S. Application No. 09/026,775, filed February 20, 1998 (now

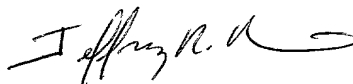
U.S. Patent No. 5,877,767), which is a continuation of U.S. Application No. 08/580,742, filed December 29, 1995 (now U.S. Patent No. 5,737,560).--

Remarks

Claims 1 and 2 are pending in this application. Applicant shall submit additional claims in a Second Preliminary Amendment to be filed soon hereafter.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



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JRK

Graphical Method and System for Accessing Information on a Communications Network

Inventor: Steve Yohanan

Background of the Invention

5 *Related Applications*

This application is a continuation of U.S. Application No. 08/580,742, filed December 29, 1995.

Field of the Invention

10 The field of the invention relates generally to accessing information on a network, and more particularly, to a system and computer-based method for providing easy access to sites on the World Wide Web.

Related Art

15 A vast array of electronic information infrastructures are rapidly being assembled and used by individuals, organizations, businesses and industry to facilitate the exchange of information and data across both near and far distances. As available computing power at a given price point is increasing, personal computers, workstations and other computing devices are finding their way onto more desktops, into more offices, and into more working environments than ever before imagined. These computing devices are used as the links into the
20 information infrastructure, allowing all forms of electronic communications and data exchange.

This rise of electronic communication is a world-wide phenomenon, globally affecting personal lives as well as all facets of business and industry. Be it a local area network linking a few computers together in close proximity, or a wide area network providing information exchange around the globe, more and more businesses and individuals are turning to communications and data exchange via this electronic infrastructure. The electronic information infrastructure is reaching business operations from manufacturing and production to research and development, sales and commerce.

This electronic information infrastructure has become a common source of news, information and entertainment for computer end-users. In this regard, consider the Internet, for example. The Internet is a world-wide set of interconnected computer networks that can be used to access a plethora of information in various forms.

Computer end-users employ network addresses to locate information on the electronic information infrastructure. For example, on the Internet, Uniform Resource Locators (URLs) are used to specify sites such as servers within the World Wide Web (WWW; or the "web"). The web is a distributed hypermedia system and functions as a client-server based, information presentation system.

Files on the web are also referred to as "pages," and are written in HyperText Mark-up Language (HTML). Web pages include hyperlinks to other files. Web pages are typically viewed using an application program called a web browser (also known as an "internet browser" or "browser"), such as Netscape Communications Corporation's (Mountain View, California) NetScape™ browser.

Conventionally, in order to access a network location, an end user must first open a browser application and then enter the URL of a desired network

location. The browser connects to the web via a modem or other conventional network interface, thus permitting the user to read and interface with the accessed network location.

The following are example URL formats:

file://wuarchive.wustl.edu/mirrors/msdos/graphics/gifkit.zip
ftp://wuarchive.wustl.edu/mirrors
http://www.w3.org:80/default.html
news:alt.hypertext
telnet://dra.com

The first part of the URL, before the colon, specifies the access method. The part of the URL after the colon is interpreted in accordance with the access method specified (for example, ftp is file transfer protocol and is command line-based). In general, two slashes after the colon indicate a machine name (machine:port is also valid).

Having to first access a web browser and then type-in a network location's URL can be tedious. Some browsers permit the user to store frequently accessed network locations to facilitate accesses. This is accomplished through the use of what is sometimes referred to as a bookmark. Through the use of a bookmark, once a browser is opened, the user may be able to quickly access a favorite site by selecting a bookmark previously designated to mark the location of that site.

Increased accesses by individual users on a day-to-day basis demands a more efficient method for accessing network locations.

What is needed is a convenient method to access network locations without having to open a browser and key-in the desired site's URL.

Summary of the Invention

5 The present invention is directed to a system and computer-based method providing users quick access to a network location without having to first launch a web browser or key-in the site's URL. The system comprises a first computer readable program code means for causing the computer system to display a desktop icon, called a "jumpsite," which is associated with a file containing a network address corresponding to the network location. When the jumpsite is
10 activated, a second computer usable program code means causes the computer to launch an instance of a browser application or a new window for a currently executing browser application, and a third computer usable program code means causes the computer system to pass the network address to the browser application, thereby accessing the network location.

15 According to a preferred embodiment of the present invention, jumpsites represent specific Internet network locations, addressed by their URLs. Each jumpsite is a hyperlink to a designated network location that the user frequently explores. Each jumpsite can be graphically manipulated to access its associated network location. These addresses are also referred to as http (or hypertext-transfer protocol) addresses.
20

One feature of the present invention is that it permits a user to access a desired network location without having to first access a browser application.

Another feature of the present invention is that it permits a user to store network locations in a hierarchical, browser-independent manner.

Brief Description of the Figures

The present invention will be described with reference to the accompanying drawings, wherein:

FIG. 1 is a block diagram illustrating an example environment in which the present invention can operate.

FIG. 2 is a diagram illustrating an example window 200 that serves as the GUI for the WebJumper tool.

FIG. 3 is a flow diagram illustrating the process followed in creating a jumpsite according to one embodiment of the invention.

FIG. 4 is a flow chart illustrating in further detail the step 304 of user entry of information for the creation of the jumpsite.

FIG. 5 is a block diagram illustrating a local computer system 500 (such as computer system 100, for example) and a remote computer system 501 connected by a communication link 502.

The preferred embodiment of the invention is described below with reference to these figures where like reference numbers indicate identical or functionally similar elements. Also in the figures, the left most digit of each reference number corresponds to the figure in which the reference number is first used.

Detailed Description of the Preferred Embodiments

1. Introduction and Overview of the Invention

5 The present invention is directed toward a system and method for allowing a user to access a desired network location without having to first access a browser application. According to the invention, a Graphical User Interface (GUI) icon is provided that allows the user to "jump" directly to the designated network location. When the user selects the icon (e.g., by double-clicking on the icon), a browser application is automatically opened and the designated network location is accessed.

10 A user may create more than one icon and each icon can be used to designate a different network location. Thus, a user can have a different icon for each of his or her favorite or most frequently visited sites. In one embodiment of the present invention, the icons may have different visual representations. The icons can be stored on the user's desktop, in folders, or, in fact, wherever the GUI allows icons to be kept.

2. Icon

20 An icon refers to an object displayed by an output monitor on the "desktop" (i.e., workspace) of a computer system employing a GUI; the object is associated with a computer file available to the computer's operating system. Standard file operations can each be invoked with respect to the associated file by performing a corresponding graphical manipulation of the icon. For example, a request to execute the program contained in a file might be invoked by double-clicking on the associated desktop icon. Similarly, a request to delete a file might

be invoked by graphically moving or "dragging" the associated desktop icon onto the displayed image of a trash can or dumpster; or by cursor-clicking on the associated desktop icon (to "select" that icon) and then cursor-clicking on a pull-down menu command labeled "delete." In response to such actions, the operating system of the local computer system performs the requested operation.

A principal advantage of GUIs employing desktop icons of this nature is that the procedures corresponding to standard file operations are generic for all relevant desktop icons within a particular computer system. In other words, the actions that invoke file operations are independent of the identity of the particular icon and file being operated upon. Consequently, a user need learn only one basic set of relatively intuitive actions to perform standard file operations on the files represented by icons within the user's computer system.

Note that the set of standard file operations and the corresponding icon manipulations vary among different computer platforms and operating systems. The use of icons and standard file operations by clicking and dragging icons is well known and is commonly employed by several well known GUIs, platforms and operating systems such as Windows, Apple, and Unix.

3. *Environment of the Invention*

Before describing the invention in detail, it is useful to first describe an example environment in which the invention can operate. FIG. 1 is a block diagram illustrating an example environment in which the present invention can operate. The environment is a computer system 100 that includes one or more processors, such as processor 104. The processor 104 is connected to a communications bus 106. Various software embodiments are described in terms of this example computer system. After reading this description, it will be apparent to a person skilled in the

relevant art how to implement the invention using other computer systems and/or computer architectures.

Computer system 100 also includes a main memory 108, preferably random access memory (RAM), and can also include a secondary memory 110. The secondary memory 110 can include, for example, a hard disk drive 112 and/or a removable storage drive 114, representing a floppy disk drive, a magnetic tape drive, an optical disk drive, etc. The removable storage drive 114 reads from and/or writes to a removable storage unit 118 in a well known manner. Removable storage unit 118 represents a floppy disk, magnetic tape, optical disk, etc., which is read by and written to by removable storage drive 114. As will be appreciated, the removable storage unit 118 includes a computer usable storage medium having stored therein computer software and/or data.

In alternative embodiments, secondary memory 110 may include other similar means for allowing computer programs or other instructions to be loaded into computer system 100. Such means can include, for example, a removable storage unit 122 and an interface 120. Examples can include a program cartridge and cartridge interface (such as that found in video game devices), a removable memory chip (such as an EPROM, or PROM) and associated socket, and other removable storage units 122 and interfaces 120 which allow software and data to be transferred from the removable storage unit 122 to computer system 100.

Computer system 100 can also include a communications interface 124. Communications interface 124 allows software and data to be transferred between computer system 100 and external devices via communications path 126. Examples of communications interface 124 can include a modem, a network interface (such as an ethernet card), a communications port, etc. Software and data transferred via communications interface 124 are in the form of signals which

can be electronic, electromagnetic, optical or other signals capable of being received by communications interface 124 via communications path 126. Note that communications interface 124 provides a means by which computer system 100 can interface to a network such as the Internet.

5 The present invention is described in terms of this example environment. Description in these terms is provided for convenience only. It is not intended that the invention be limited to application in this example environment. In fact, after reading the following description, it will become apparent to a person skilled in the relevant art how to implement the invention in alternative environments.

10 **4. *Software and Hardware Embodiments***

15 The present invention is preferably implemented using software running (that is, executing) in an environment similar to that described above with respect to FIG. 1. In this document, the term "computer program product" is used to generally refer to removable storage device 118 or a hard disk installed in hard disk drive 112. These computer program products are means for providing software to computer system 100.

20 Computer programs (also called computer control logic) are stored in main memory and/or secondary memory 110. Computer programs can also be received via communications interface 124. Such computer programs, when executed, enable the computer system 100 to perform the features of the present invention as discussed herein. In particular, the computer programs, when executed, enable the processor 104 to perform the features of the present invention. Accordingly, such computer programs represent controllers of the computer system 100.

In an embodiment where the invention is implemented using software, the software may be stored in a computer program product and loaded into computer system 100 using removable storage drive 114, hard drive 112 or communications interface 124. Alternatively, the computer program product may be downloaded to computer system 100 over communications path 126. The control logic (software), when executed by the processor 104, causes the processor 104 to perform the functions of the invention as described herein.

In another embodiment, the invention is implemented primarily in hardware using, for example, hardware components such as application specific integrated circuits (ASICs). Implementation of a hardware state machine so as to perform the functions described herein will be apparent to persons skilled in the relevant art(s).

5. *WebJumper and Jumpsites*

Having thus described an example environment in which the invention can be implemented, a preferred embodiment of the invention is now described. In a preferred embodiment, a desktop icon on a local computer represents a web page (e.g., a file) on a web site (e.g., a remote server) that is accessed by an http request from a local web browser. As will be apparent to one skilled in the relevant art, a jumpsite can be employed to access other types of files and network locations by other access methods without departing from the spirit and scope of the present invention. As stated above, according to the invention icons are provided which allow the user to access a designated web site, without having to first open a browser application and then access the location.

In one embodiment, the present invention is directed to a computer-based system and method for creating the jumpsites. This system and method are

referred to in this document as "WebJumper." WebJumper is a tool that lets users create desktop icons that "jump" the user to designated web sites; these icons are called "jumpsites." The WebJumper tool provides a GUI to "capture" information from the user regarding a designated web site. That is, the GUI permits the user to enter information regarding the designated web site; this information is then stored in a file associated with the icon.

Jumpsites can be placed on the desktop, in a directory, or in an icon catalog page for easy access. Further, jumpsites may be used with any standard browser. Thus, jumpsites provide a browser-independent way for users to organize and access network locations.

FIG. 2 is a diagram illustrating an example window 200 that serves as the GUI for the WebJumper tool. Referring now to FIG. 2, the WebJumper tool comprises a main window section 204, a button bar section 208 and an icon display section 212. Main window section 204 provides a section for the user to enter information pertaining to the jumpsite being created. Button section 208 provides a series of "buttons" that can be activated by the user to select certain features. Display section 212 provides a section where created jumpsites can be displayed to the user.

Main window section 204 provides data entry locations permitting the user to specify a description for a new jumpsite icon, the network address (e.g., URL) of the web site to be associated with the new jumpsite icon, and the icon name.

The description field 242 allows the user to enter a description of the jumpsite being created. This description can be any moniker which describes the jumpsite to the user. This field is optional.

Location field 244 allows the user to enter the URL of the web site designated by the jumpsite being created. According to one embodiment, location field 244 ignores any new line and space characters. This means that users can cut and paste a URL containing new line and space characters into location field 244 without needing to edit the text.

Icon name field 246 provides an entry for the user to enter a name for the jumpsite being created. This name is the name under which the jumpsite is to be stored. In a preferred embodiment, the directory as to where the jumpsite is to be kept is included in icon name field 246. For the example illustrated in FIG. 2, the jumpsite is to be named "movies" and is to be kept in a directory "/usr/people/rcu/web/movies" on the system.

Buttons 208 permit the user to perform tasks in connection with creating jumpsite icons. An "Options" button 252, permits the user to set several preferences. Clicking the Options button 252 activates an options window. In the options window (not shown), the user can enter certain settings or attributes for the jumpsite being created, or can change certain settings or attributes for an existing jumpsite. For example, the options settings can allow the user to identify or select a default web site or the default web browser. For example, the user can select the NetScape Navigator™ browser or the Mosaic browser.

In one embodiment of the present invention, the options window can also permit the user to change or select a default directory for storing jumpsite icons and their corresponding information. One manner by which this can be accomplished is by allowing the user to type a directory path in a field designated Default Icon Location Label (not shown). Once the Default Icon Location is selected, all jumpsite icons created will be saved in the selected default directory unless the user specifies otherwise. If the user wishes a jumpsite to be stored in

another directory, the user can specify the directory by, for example, including the directory name in the icon name when creating the jumpsite. In this embodiment, the default directory automatically appears in location field 244 when a new jumpsite is being created. This default directory acts as a "hot list" of the user's favorite web sites. All jumpsites maintained in this hot list are visible to the user when the default directory is selected.

A "View" button 254 allows the user to view icon directories. Activating View button 254 enlarges display section 212 permitting the user to see all jumpsite icons stored in any directory specified by the user. This directory view permits the user to remove, rename, copy, organize into folders, and otherwise manipulate the jumpsite icons that they create or copy into their jumpsite directory.

A "Save" button 256, when activated, causes information regarding a jumpsite icon that is specified in the main window section 204 to be saved. Thus, once a user has entered a description, location and name for the new jumpsite, the user activates Save button 256 to save this information and create the new jumpsite or modify a previously stored jumpsite.

In one embodiment, where a user wishes to edit a jumpsite, the user can select the jumpsite to be edited from display section 212 (e.g., by single-clicking it with a pointing device). This selection causes the information about that jumpsite to be visible in main window section 204 where it can be edited by the user. Changing the name causes the jumpsite to be copied, while changing the other fields causes the jumpsite to be edited.

A "Clear" button 258 can be used by the user to clear the information in the description field 242, location field 244 and icon name field 246.

A "Close" button 260 is provided for the user to easily close the WebJumper tool. Of course, as is the case with other windowing environments, the tool can be closed by double-clicking on the "dash" in the upper left hand corner of WebJumper window 200.

5 A "Help" button 262 is included to provide on-line information concerning the operation, use and features of the WebJumper tool.

WebJumper window 200 also includes a feedback line 220 to prompt the user for input or otherwise guide the user when using the WebJumper tool. The feedback line blanks when the user depresses the Clear, Save or Options button.

10 Multiple jumpsite icons can be created in a single session by entering information for a first icon in WebJumper window 200, saving it using Save button 256, using Clear button 258 to clear fields 242, 244 and 246, and then repeating the steps described above for creating and saving the first jumpsite icon.

15 Note that the user can also categorize jumpsite icons by creating directories or icon catalog pages for different topics. By creating jumpsites by using the WebJumper tool, the user can drag related icons from the default directory, another directory, or from the WebJumper tool itself into other directories or icon catalog pages. Also, the icons can be stored right on the user's desktop allowing immediate access without having to open directories or other
20 windows.

Jumpsite icons created with the WebJumper tool of the present invention are transportable. Jumpsite icons can be copied by disk, attached to e-mail messages and otherwise transported to another system. In this manner, jumpsite icons attach to e-mail messages in a similar manner that document files, or the like,

are attached to conventional Internet messages. If recipients have WebJumper installed on their computer, they can drag an icon out of the message onto the desktop and double-click on it to open the jumpsite. If the recipient of the message does not have WebJumper installed, a text file appears when they double-click the icon. This file contains the URL information for the web site associated with the jumpsite icon, but does not contain the web page itself.

When a user double clicks on a jumpsite icon the designated web site is opened in a browser application. Another alternative technique for opening jumpsite icons is to drag them onto the icon representing the browser application. Multiple web sites can be open at the same time. According to one embodiment, each time a jumpsite icon is double-clicked, a new instance of browser 510 is opened and the web site accessed. Therefore, multiple web sites can be open simultaneously on the user's terminal.

Existing jumpsite icons can be edited easily using the View button 254 in WebJumper window 200. As noted above, all of the jumpsite icons will be displayed in the directory view window which appears at the bottom of the WebJumper window 200. Alternatively, the user can use commands available in a menu which appears when a jumpsite icon is selected (e.g., by single-clicking on the icon).

6. *Creating Jumpsites*

One embodiment of the invention is directed toward creating jumpsites. To create a jumpsite, the user utilizes the WebJumper tool. Creation of a jumpsite is described in terms of a WebJumper tool using the example WebJumper window 200 described above. After reading this description, it will become apparent how jumpsites can be created by the WebJumper tool using alternative window

configurations. As would be apparent to a person skilled in the relevant art, jumpsites can be created by other methods without departing from the spirit and scope of the present invention.

FIG. 3 is a flow diagram illustrating the process followed in creating a jumpsite according to one embodiment of the invention. Referring now to FIG. 3, in a step 302 the user enters desired information into WebJumper window 200. This information includes, at a minimum, the URL for the site to be accessed when jumpsite is selected.

FIG. 4 is a flow chart illustrating in further detail the step 304 of user entry of information for the creation of the jumpsite. Referring now to FIG. 4, in a step 402, the user enters the URL for the site he or she desires to access by the jumpsite being created. For example, if the user wishes to create an icon for the Silicon Surf home page of Silicon Graphics, Inc., the user would enter: <http://www.sgi.com>. Using the example window 200 described above, this information is entered into location field 244.

Preferably, in a step 404, the user also enters name and directory information for the jumpsite being created. Again, using the example WebJumper window 204, the user types a name for the icon in name field 246 of the WebJumper window 200. Preferably, the name includes directory information where the jumpsite is to be stored. In one embodiment, there is a default directory so the user does not have to enter directory information each time. Following the above example, the user can type silicon.surf as the name of the file for the Silicon Surf home page.

In a step 406, the user can add a description of the icon as well. This description can provide the user with a brief description identifying the jumpsite

to a greater level of specificity. In the example WebJumper window 200, the description is entered in description field 242.

In one embodiment, to enter a description the user clicks on options button 252 to display a WebJumper options window (not shown). The WebJumper options window includes an additional button called "Show Description Field" (also not shown). An "OK" button is also provided to exit the WebJumper options window. When either button is activated, a description field then appears in the main WebJumper window, as described above. At this point, the user can type in the description of the jumpsite icon. Depending on the configuration of the tool, the description field can be set up to always appear when window 200 is opened, or to appear only when specifically requested via the options window.

In a step 408, once all of the desired information about the jumpsite is entered into WebJumper window 200, the user can click Save button 256 and the WebJumper tool creates the icon and saves it in the directory specified. Prompts can be included for specifying a different directory in which to save the new jumpsite icon.

FIG. 5 is a block diagram illustrating a local computer system 500 (such as computer system 100, for example) and a remote computer system 501 connected by a communications link 502. The information entered by the user in step 302 is represented in FIG. 5 by block 504 labeled input/output (I/O) in FIG. 5.

Once the user saves a new jumpsite icon or modifies and saves an existing jumpsite icon, the WebJumper tool, shown at 506, creates a jumpsite 508 and saves it as a file on the local computer system 500. This step of creating the

jumpsite 508 and saving it is shown at 304 in FIG. 3. In one embodiment, step 304 is transparent to the user.

Specifically, the WebJumper tool creates a file that executes when the jumpsite icon is selected for execution by the user. A file is created that, when executed, launches a browser instance 510, thereby creating an http request 512.

According to one embodiment of the present invention, the jumpsite file stores the URL but does not contain executable browser code. Rather, the jumpsite file contains only linkage information that, when executed, will cause an operating system of the local computer system 500 to launch browser instance 510 using the stored URL that was specified by the user in the jumpsite icon.

The WebJumper tool forms an association between the newly created jumpsite file and a new desktop icon to represent the information associated with that jumpsite file. The new desktop icon is called a jumpsite icon as discussed above. This association step is shown at 306 on FIG. 3.

Once a jumpsite icon has been created by the WebJumper tool, it can be moved directly onto the user's desktop by clicking and dragging the icon using a pointing device. The contents of the jumpsite file are not affected by this operation. After jumpsite icons have been created and positioned on the user's desktop, the WebJumper tool can be closed.

7. *Using Jumpsites*

At any time after a jumpsite icon is created, the user can readily access the web site specified by a given jumpsite icon by simply double-clicking on that jumpsite icon. By positioning one or more jumpsite icons on the user's desktop,

the user has direct access to the associated web sites without having to access the WebJumper tool or take the extra step of launching a browser. When the user activates (e.g., double-clicks on) a jumpsite icon, as shown in a step 308 in FIG. 3, an instance of the selected browser is launched, as shown in a step 310, and the jumpsite's URL is passed to the browser instance, as shown in a step 312. The browser then automatically returns the designated web page in an new active browser window on the user's desktop.

In an alternative embodiment, activating the jumpsite icon returns the designated web page in an already-open widow of a currently executing browser application.

Referring again to FIG. 5, once the user double-clicks on a jumpsite icon 508, an instance 510 of the associated browser is executed. The jumpsite file passes the URL 505 to browser instance 510, which generates an http request 512 using URL 505. The http request 512 is transferred over the communications network 502, as shown generally at 514. The generation, transfer and servicing of http requests are performed in a conventional manner, as would be apparent to one skilled in the relevant art.

For example, the http request 514 is received at the remote computer system 501 by a server 516. The server 516 parses the http request, and in response accesses the file specified with the URL 505. For example, the file can be accessed from a database 518. The server 516 then creates an http response 520, attaches a copy of the file 522 to the http response 520 and sends the response and file copy back to the requesting browser instance 510 via communications network 502, as shown generally at 524. At the local computer system 500, browser instance 510 parses the response 524 and ultimately displays

the file as a document on the user's display within a window created by browser instance 510.

8. *Conclusion*

While various embodiments of the present invention have been described
5 above, it should be understood that they have been presented by way of example,
and not limitation. It will be apparent to persons skilled in the relevant art that
various changes in form and detail can be made therein without departing from the
spirit and scope of the invention. Thus the present invention should not be limited
10 by any of the above-described exemplary embodiments, but should be defined only
in accordance with the following claims and their equivalents. All cited patent
documents and publications in the above description are incorporated herein by
reference.

What Is Claimed Is:

1 1. A computer program product for permitting a computer system to access
2 a network location using a browser application by activating a desktop icon, said
3 computer program product comprising:

4 a computer usable medium having computer readable program code means
5 embodied in said medium for causing an application program to execute on the
6 computer system, said computer readable program code means comprising:

7 a computer readable first program code means for causing the
8 computer system to display a desktop icon, said desktop icon associated
9 with a file containing a network address corresponding to the network
10 location;

11 a computer readable second program code means for, when said
12 desktop icon is activated, causing the computer system to launch one of:

13 (1) an instance of a browser application; and

14 (2) a new window for a currently executing browser
15 application; and

16 a computer readable third program code means for causing the
17 computer system to pass said network address to said browser application
18 when said desktop icon is activated, thereby accessing the network
19 location.

1 2. The computer program product of claim 1, wherein said computer
2 readable program code means further comprises:

3 a computer readable fourth program code means for causing the
4 computer system to capture information in said file, said information
5 provided by a user and including said network address.

Graphical Method and System for Accessing Information on a Communications Network

Abstract

5 A system and computer-based method for permitting a computer system
to access a network location using a browser application by activating a desktop
icon. The system comprises a first computer readable program code means for
causing the computer system to display a desktop icon associated with a file
containing a network address corresponding to the network location. When the
desktop icon is activated, a second computer usable program code means causes
10 the computer to launch an instance of a browser application or a new window for
a currently executing browser application and a third computer usable program
code means causes the computer system to pass the network address to the
browser application, thereby accessing the network location.

FIG. 1

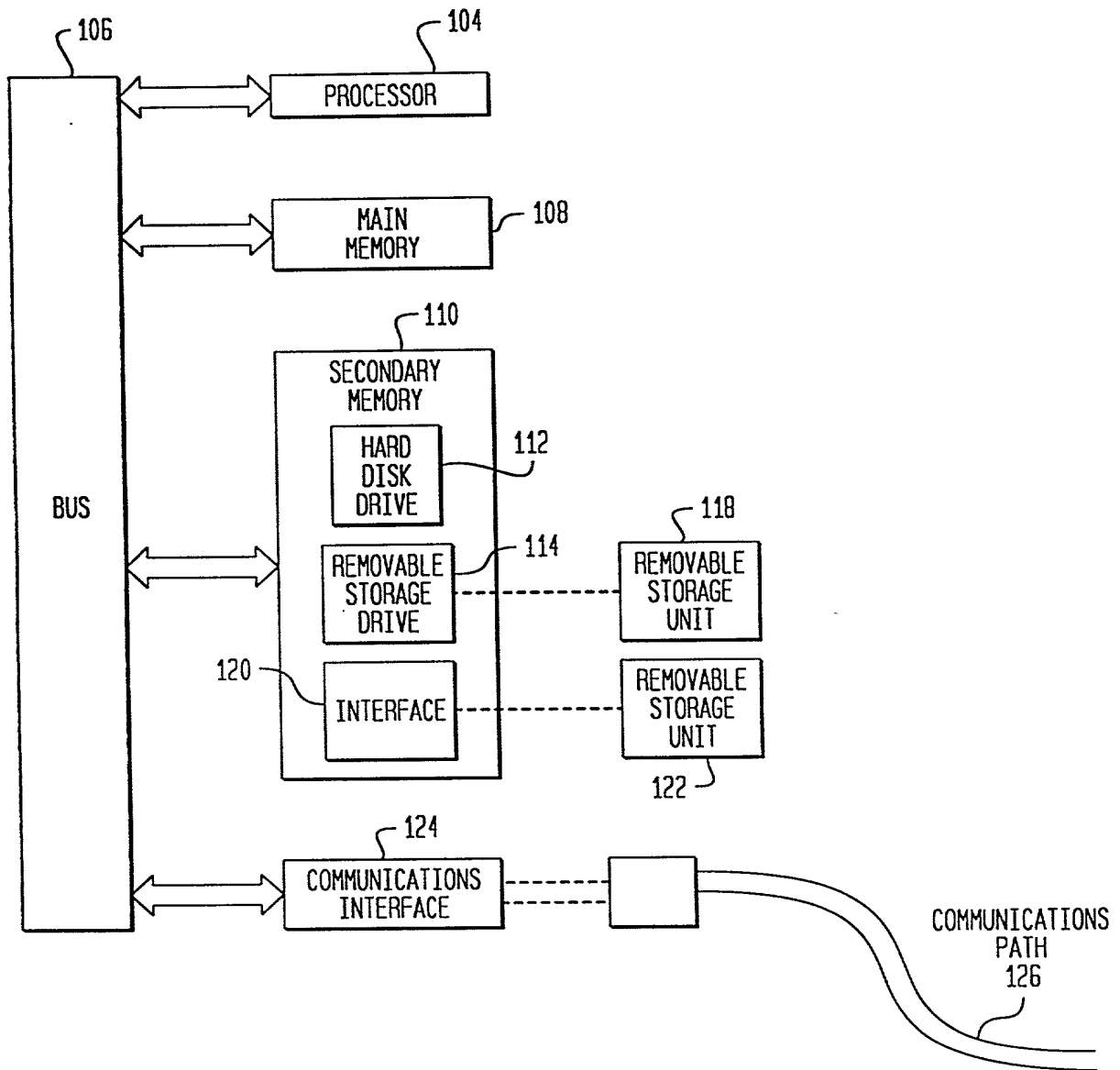


FIG. 2

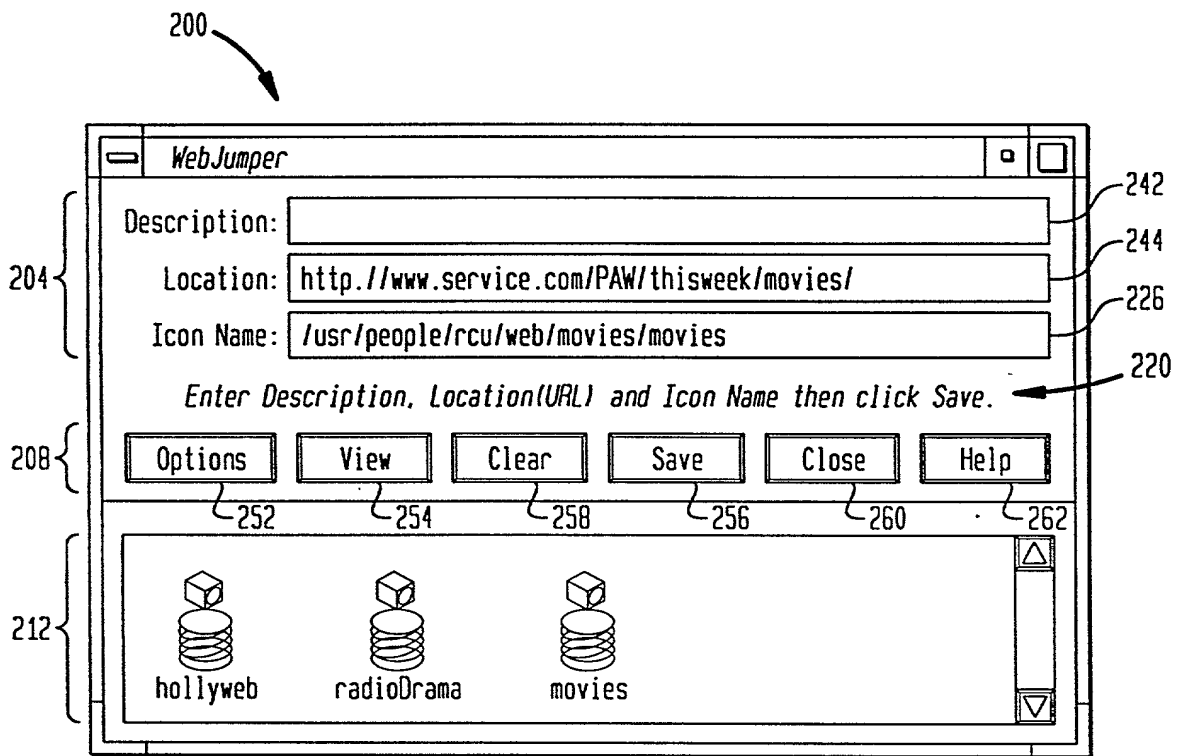


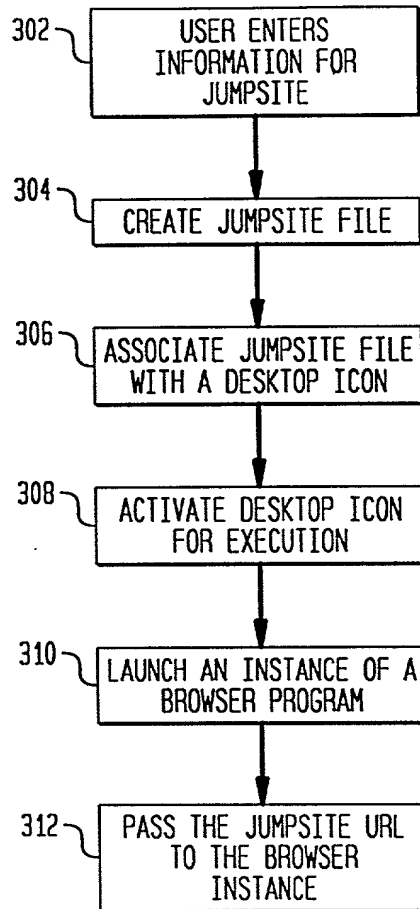
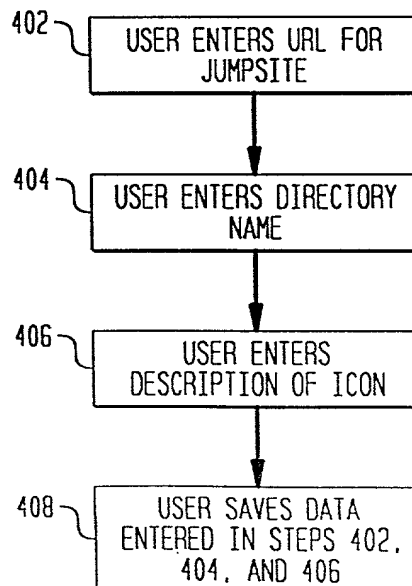
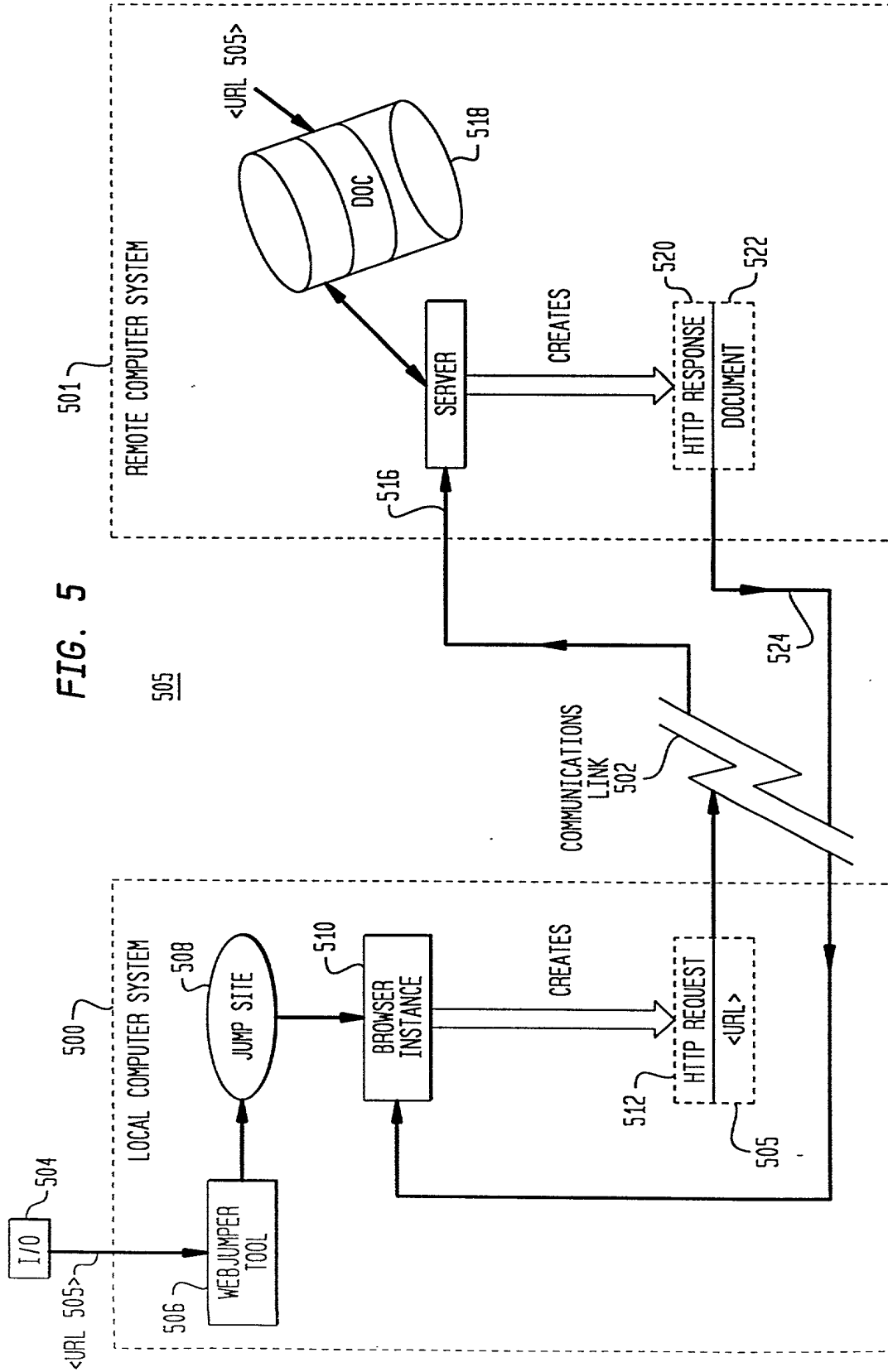
FIG. 3**FIG. 4**

FIG. 5



Combined Declaration and Power of Attorney for Patent Application

Docket Number: 15-4-296.00

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Graphical Method and System for Accessing Information on a Communications Network, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on December 29, 1995;
as United States Application Number or PCT International Application Number 08/580,742; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application(s) | | | Priority Claimed |
|------------------------------|-----------|------------------------|--|
| _____ | _____ | _____ | <input type="checkbox"/> Yes <input type="checkbox"/> No |
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

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| (Application No.) | (Filing Date) |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT International filing date of this application.

| | | |
|-------------------|---------------|---|
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| _____ | _____ | _____ |
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I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| |
|--|
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